

Collection no. 78

L.J. & M.F. Chinnick

The **SHELL** **CARBON BOOK**

100 LEAVES IN DUPLICATE

Suitable for Pen or Pencil

FOR ORDERS, LETTERS, ETC.

NUMBERED

Central S. Australia



5/7 - 1/8/56

Flexiflat

THERMO-PLASTIC BOUND

M-N

S-T

* NB. Mileages encircled
in red ink indicate
the collecting sites for
the Orthoptera material and
may also refer to Ants & Termites.

O-P

U-V

Q-R

W-Z

1

Trip Canberra — S. Australia

5.7.56

7315 Left Canberra 8.32am.

Travelled along Hume Highway to Albury-
Wodonga and turned off along Murray
Valley Highway at 7538 (calculated)

7544 Camped. 5.00pm.

6.7.56

7544 Left camp site. 8.30am.

7586 Yarrowonga

7678 Echuca

7738 Kerang

7774 Swan Hill (arrived)

7779 " " (departed)

7792 Turned off to Nyah West

7793 Nyah West

7798 Camped 5.00pm

Continuous rain all day. No collecting
possible. Vast areas underwater through
torrential rains over past few days.

7.7.56

(7798)

[Ants only no Orthoptera]

Low sand ridges W. of Nyah West all cleared except for strips of mallee *E. dumosa* either side of road about 2 chains wide.

Under cover composed of *Enchyliora* sp and *Bassia* sp growing at butts of mallee. A dense cover of *Crucifera* sp (wild turnip) and *Asphodelus fistulosa* (onion weed) was evident throughout.

7819 Chinkapook

7819 ½ ml. W. of Chinkapook. Stand of *Euc. dumosa* in clumps. Cleared patches between clumps, loamy soil supporting *Stipa nitida*, *Danthonia* sp and *Koeleria tomentosa*. Under mallee, much debris with *Rhagodia nutans*, *Enchyliora* sp, *Bassia uniflora* and scattered plants of *Zygophyllum* sp.

[Ants and Termites only]

7834 joined the Calder Hwy. turned north.

7839 M. Hyack.

7862 Ouyen. turned W. towards Pinnaroo

7870 Galah

7878 An area of mallee scrub, *Euc. dumosa* & *oleosa* with occas. *Calitris glauca*, together with an understory of *Dodonaea* sp. and two sp. of *Acacias*. 1 broad leaved phyllode and other with needle type. Ground cover sparse consisting of small *Bassia* sp and *Enchylina* sp among debris under *Eucs* with *Rhagodia* sp and *Stipa nitida* away from tree canopies. Soil decidedly sandy with large patches on mosses. [Ants and Termites only]

7880 Walpeup

7885 Torrita

7893 Underbool

7899 Collecting done on lower slope of sand ridge covered with *Euc. oleosa* and

dumosa. Undershrubs small and scattered with *Zygophyllum*, *Rhagodia nutans* and *Bassia* sp. dominant. In odd small clearing, *Agropyrum scabrum* and *Hordeum leporinum* present but only in small numbers with dominant ground cover consisting of mosses. *Coryphistes* nymphs sight record.

Taken 1♂ ♀ moraba.

Phaenocarpa sp., *Moraba* sp.

7905 Area of whiplash mallee to height of 8ft in clumps. Ground cover composed of *Triodia* and *Diplotaxis muralis* (sand rocket) with *Agropyrum scabrum* as occas.

Odd plants of *Kochia* sp. "fleshy leaves" to 1ft high. 1♂ moraba Ch. Locust.

Soil very sandy with some surface limestone

7905 Bonka

7912 Tutye

7918 Cowangie

7924 Danyo

7926 Mallee scrub with *Euc. dumosa* as

dominant and *Calitrus glauca* as occurs.
 Timber stand relatively dense but with a lack
 of any shrub understorey. Pasture dominantly
Stipa nitida in clearings with *Bassia* sp
Enchylium sp in debris under trees. Soil
 loamy with limestone pebbles.

[Ants and Termites only].

Sight record: - *Coryphistes* nymphs.

7930 Murrayville

7935 Larva

7941 Paritya

7943 SA - Vic border

7947 Pinnaroo S.A

7959 Camp site arrived 5pm.

8.7.56

7959 Departed 8.30am.

7963 Parilla

7972 Lameroo

7975 [Ants - termites only]

A narrow strip of sandy soil containing limestone pebbles bearing scattered but continuous line of *Euc. dumosa* and *oleosa*. Ground cover wholly of *Cucurbita* sp. *Diplazium nutans* and *Brassica* sp [wild turnip]

Major ant nest on outside edge of tree line in sunny position ^{on} north side of mallee tree.

7994 Granium

7999 Jabuk

8001 [Ants - termites only]

Roadside strip of mallee approx 10m wide on red sandy soil. Dominants *E. dumosa* with *ti-tree* as occas. Ground cover sparse; scattered composites and *Syzygium orientale*. Cratered nest in open sunny clearing.

8002 [Ants - termites only]

Natural stand of mallee scrub, *Euc. oleosa* & *dumosa*. Lack of shrubs except for odd bushes of *Leptospermum* sp. Ground cover absent except for mosses and odd sunflowers.

8006 Peake

8015 Sherlock thence turned south to
"Lowan" 12.15pm at 8019. 3.00pm - 5pm

9.7.56

8019 Left Sherlock at 6.30am for Adelaide.
Truck serviced at Geydon and back to
Sherlock arrived 8.30pm. at 8220.

10.7.56

8220 Left Sherlock.

8224 Sherlock

8245 Tailum Bend.

8260 Murray Bridge thence Mannum
Rd. turned off same at 8262 to Palmer.

⁷⁸
8277 Palmer

8287 Tunkillo

8288 turned off to Mt. Pleasant.

8291 Mt. Pleasant.

8293 turned off to Williamstown (Themedra
present but no seeds).

8296 area of dry sclerophyll forest -
stringybark and Yackee with odd

Hakea and Banksia marginata with numerous shrubs to 1 ft and composites including Helichrysum sp with Agropyrum, Eragrostis and Juncus sp. Soil red-brown and gravelly and moss covered, odd sundews. Day overcast and cold wind. [Ants and Termites only]

8300 Mt. Crawford Forest.

8305 Williamstown (detour along Lynch Rd. to 8307.) Then to Sandy Ck.

8312 Sandy Creek.

8317 Gawler, thence to Roseworthy via Kangaroo Flat.

8325 Roseworthy College. 5.00 pm.

11.7.56

Left Roseworthy College at 8327; 8 pm proceeded up main Nth road to Gladstone, Laura - Werrabara. Turned off main rd. toward Pt. Gorman at 8452

8467*Atriplex vesicaria* association.*Moraba* sp.

Grassland area, soil sandy loam. Dominant cover *A. vesicaria* with odd small *Euc* sp. to 10ft and odd *Acacia* sp. Among *Atriplex* as interplant cover, a *Mesembryanthemum* sp and medic [*M. denticulata*]. *Moraba* sp on *Atriplex*. [CH 105]

8469Pt. Gormier8475

Stand of mallee to 15ft with natural stand of *A. vesicaria* as subordinate sp. *Mesembryanthemum* sp as main ground cover between salt bush plants. [Ants and Termites only]

8497*Koehia pyramidata* assoc.

Dense stand of *K. pyramidata* on red sandy country with low *Acacia* sp on crests of small sand hills. Medic sp forming main cover at ground level. [Ants - Termites only]

8510Pt. Augusta

Run out along Quorn Rd to camp site
5pm. 1 Scarab at light

12° 7.56

R. am. to Pt. Huayosa for patrol and

supplies 8525 - 8510 8pm.

8532 Along road to Huayosa

Kochia association with tall *A. natans*
and *Sandera* on south of low sand dunes
Kochia *lyngbyi*, *K. pyramidata* common
on steep coast with *Hymenopetalum* *adpressum*
shrub sp., near tree dunes *Hymenopetalum* *sp.*
present. Little *Acacia* shrub coast. Soil very
well sandy with limestone pebbles on
the flats which were of a more loamy
nature. [Shrub = *Terminalia* only]

8542 *Acacia* *Sandera* - shrub, *Acacia* *sp. (n)*, *Morales* *sp.*
Acacia *Sandera* on steep sand dunes
with *Acacia* *sp. (n)* *Morales* *sp.*
Acacia *Sandera* *sp.* present with small
shrub (*Acacia* *sp.*) *Kochia* *lyngbyi*
Kochia *pyramidata* - dominant shrub
coast with *Acacia* *sp.* *Blagayana* *sp.*
near tree dunes. Little ground cover
present except for small *Kochia* *sp.*

Light records - numerous nymphs of *Thrips*
sp. Hirsuta sp., *Urosella*, *Ephraim* *formae*
Coryphaster. [EN 106]

3547 *Hirsuta* *sensu* - *Thrips* - *Ephraim*
formae *Coryphaster* *sp. Hirsuta*
Urosella *formae* *Coryphaster* of
Thrips *sensu* with *Urosella* *formae*
Coryphaster sp (see 3510) as subdominant
sp. Hirsuta *sensu* - *Thrips* *formae*
forming dominant shrub strata while
Ephraim formed major low ground
at base of *Hirsuta* *sensu*, *Thrips*
spinosus and *Ephraim* *formae*
grew under the *Thrips* *formae*. Some *Thrips*
formae *sp. Hirsuta* *sensu*. [EN 108]

Light records - *Ephraim* sp. *formae*, *Urosella*
Coryphaster, *Peatocia* sp. and many
Thrips - *Thrips* *formae* *sp. Hirsuta* *sensu*

3552 5th Grid.

3556 *Nesos*.

3557 1st Grid

3558 *Peatocia* X

8559 7th Grid

8559.1 *Acacia - Hakea* near.

Acacia soudeana and *ancura* as common with *Hakea laevis* in most places. *Leptosiphon* *reticulatus* occurring as occas, and *Cassia esophila* with it throughout. *Hakea laevis* and *Thamnia parvifolia* with some *Hakea reticulata* from the water from the creek. Some young *Acacia*, *Cassia* sp. and possibly *Thamnia* *laevis* made up the interspaces and beneath the trees. Soil fine and sandy brown.

[*Acacia* - *Thamnia* only]

8559.8 = Creek.

8563 8th Grid

8567 4 Turn right to *Thamnia*

8568 Grid 9th

8573 Railway X

8575 10th Grid Barkaba

3574 *Hesperis matronalis* var. *alba*
 Rep. sig. of *Phyc. ...*
 ... *H. omura* with *H. ...*
Keyacris
 as subordinate sp. Understorey forest
 of *Hesperis phaeodora*, *H. subfolia* and
Banksia parviflora and *Leptocarpus*.
 On more heavy soil. Slope ...
 ... up forest.

Light woods - *Coryphantha*. Numerous
Mimulus - *graphis*. [54109]

3578 11th Grid

3586 12th Grid

3593 Siding

3594 Turned off road to left for camp
 etc.

3596 Camp site 5pm 7pm-8pm

13-7-56

3597 = 3594 8pm

3600 13th Grid

3601 *Stoney downs* - shrub steppe.

Lowest sps. *Lept. ...*

Some *Trinervia*, *Trinervia* *parviflora*, with
 old *Rhus* and *Salix* and several other
 smaller sp. *Conoclinium* *diffusum* and
Hebe sp. to height of 3 ft. present in
 scattered occasional's. Some *Brachyotum*
 sp. and *Calceolaria* present throughout.

[Hills - Tanager only]

8602 14th Grid.

8608 Red sandstone country. *Trinervia* sp.
 in the flat - *Heliconia* sp; *H. carnea*,
 with scattered bushes of *Rhus* *gigantea*
 and some *Albizia* *robinsonii*. Ground
 almost entirely annual being composed
 of a small *Cucurbitaria* sp (small round bushes
 fruit) [Hills - Tanager only]

Sight record: - *Ceryle* and *Thalassidroma* sp.

8608.2 Railway X

8612 15th Grid

8613.1 Railway X

8613 Red sandstone country. *Trinervia*

Trinervia *parviflora* with *H. carnea*
 as occas. Some *Dubautia* *repens* in

on crest of sandhills. Ground about
composed of *Kochia* trichos in scattered
clumps with predominant cover composed
of small *Crucifera* sp (small plant with black
fruit).

Sight records - *Colletes* - *Myiophila*.

[Hills - Tamarac only]

2613 Kochia X

2617 Wine land to left (Photo)

2618 Sandy flat in lagoon area near the lagoon
by along lagoon land to left.

Low sand dunes with patchy clay some
patchy areas supporting *Myiophila* *spargosa*
Kochia *sp.* and a small leafy bushy
Kochia. Small supporting *Myiophila* *sp.*
some *Myiophila* *sp.*, *Myiophila* *sp.*

Sida *sp.* and several *Compositae*. Dried
A number of plants but surrounded with
adjacent small rocks.

Sight records - *Pectus* *sp.* *Colletes*
Myiophila *sp.* *Myiophila* *sp.*

8626 16th grid

8630 The Pines H.S.

8631 17th grid

(8634) Yellow plain with sparsely
vegetated areas - today clearing in
giving way to *Pinus*, *Quercus*, *Myrsine*, *Myrsine*
Myrsine sp., *Myrsine* sp., *Myrsine* sp.
dominants, with some *Myrsine* sp. *Myrsine*
Myrsine as occur. On occasional
sides and bottom of these depressions.

(8634) Yellow plain, ecology as for 8634.

(8642) Yellow plain, ecology as for 8634.

Myrsine with slight but not escaped. Some
plant appears to be *Myrsine*.

(8650) Yellow plain, ecology dominant
smaller Myrsine. Similar to previous
slope with a marked depletion of *Myrsine*
Myrsine.

[Ants & Termites only]

8635 18th grid; 8637 19th grid

8640 25th grad.
8640 Railway X - Barbo.
8642 21st grad.
8646 Railway X

→ To be inserted page 16.

8649 20th grad.
8656 23rd grad. To be inserted page
 to 8658.

8660 Creek.

8661 Camp. etc.

5 pm 7 pm 10 pm

14. 7. 56

Left Camp. etc. 8661 5 pm. Day on road and

8665 Sand hill country country
Artemisia tridentata in the ridges is
 dominant with old *Composita fruticosa*
Artemisia tridentata with *Artemisia*
 sp on open areas and *Calceolaria* sp
 dead with old *Composita* under low
 canyons. On adjacent flats, old *Artemisia*

supports mainly *A. ancusa* with
Linum catharticum sp. as ground cover.
 Sight records only: - *Callitriche* - *synphra*.

5162 Railway X

5691 Red sandstone country leading down
 to shore of Lake Huron. East of ridge
 supporting *A. brachystachya*. Low slopes
 open with *o. c.* *Dicentra* sp. and *Hebe*
montana. Ground cover composed of
 large patches of *Matricaria* sp. *Sium* sp.
 sp. with *Callitriche* sp. *Hieracium* - *montanum*
 and many other miscellaneous *Conium* sp.
 and composites, nearly all perennials or from
 thick dead material of former *Hieracium*
 sp. stand. [Hats and timbers only]

5172 Grid 24th

5175 Grid 25th

5696 Red sandy loam flat with *Hebe*
sourdonii as dominant with *Hieracium* sp. as
 occurs. *Undersidera struts*, section of
Matricaria - *montana* *Hebe* - *montana* and

K. Forsteri with Bassia uniflora common
 on ground cover. Rhagodia and Eriophorum
 growing under tree canopy. Old bushes
 of Chrysanthemum sp. scattered throughout
 [Plants and Trees only]

8677 Quad 29" Turn off to Wirrimina H 3

8679 Quad 29"

8681 Quad 28"

8681.4 Heavily cleared Mallee country

Plum with small trees. A wattle present and

also H. ^{capitata} ~~capitata~~. Under shrubland of

Rhagodia and Chrysanthemum sp. but

some Rhagodia and Chrysanthemum sp. but

sparse. Main ground cover consists of

sp. and Sida sp. and occasional tufts

of Eriophorum ^{nigricans} [Plants and Trees only]

8685 Quad 29"

8688 Wirrimina

8689 Water course

8689.5 Railway X [Plants and Trees only]

8691 Water course

[illegible]

8694 Spid. 30^m

8696 Quid 31st

297 *Hesperis matronalis* - *Rachis subulifolia*
 occurs with *Hesperis* as dominant in open
 parkland formation. *Europhorbia* *subulifolia*
 occurring as occurs. *Rachis subulifolia* dominant
 in the subulifolia formation with *R. subulifolia*
 as subordinate sp. both in formation.
 Soil - subulifolia sand with ironstone
 pebbles rather scattered. Little or no
 plant growth occurring between *Rachis*
 plants. [Ants - Termites only]

8702 Grid 34th

8702 H. near road. *Kochia planifolia*
 var. *lanceolata* var. *lanceolata* var. *lanceolata*
 predominant by *Kochia planifolia* with
Kochia latifolia in abundance up to
Eurythraea up under the *Pinus* var. *var.*
 Soil sandy with much lime and later.
Kochia *lanceolata*. Ground cover composed
 to scatter clumps of *Brassica lanceolata*
 & *B. paradoxa* as a rarity.

Sight records - *Cryptopteryx* *nyctophila*

[Ants - *Formica* only]

8705 Railway X

8705.3 Grid 33rd

8707 Grid 34th

8709 Continental Subway - Railway X

8709.4 Grid 35th

8713 Grid 36th

8717 Grid 37th Grid 38th - H.S. (see 8712)

8720 Grid 39th

2750 Hand fork

0760 Gule

8960.4 Camp. ^{5.30 pm} ~~late~~ Rainy night.

Dreissel-cold and Nat.

8760.6 definite SDM Engine Possible, also not

2761 In zone of *Markea* common -
a dry open state thick stand standing
timber. Dominant *Alnus* with
clumps of *Heterostichus* *oleifolius* and
scattered *Compositae* sp. (one leafed
about 6' with small narrow flower)
Ground cover mostly composed of scattered
bushes of *Rubus* *triflorus* and dead around
latter. One *Berberis* *pinnatifida* plant.
Sight record - small 2nd order gophers
possibly *Peromyscus*, and *Coryphæus*.

[Ants - Termites only]

Wrong carbon insertion! next text/page

7²⁵ April 8766 50¹¹

(5716.4) Rather open area of red sandy loam.

8794 Gate8795 Grid boundary of Mt. Elia Station8799 Track8801 Creek8802 Grid 54th8805 Grid 55th - Mt. Elia H.S.8805-2 Grid 56th8806 Grid 57th (very little data)8811 Grid 58thCamp 8812.5m. Shady weather - overcast - windyFly trap set. 7pm - 9:30pm.17.7.56Negative trapping results 9:30am.8812 Left camp. Dry cloudy cool N-NW wind8815 Water course8816 Water course

(8816-5) Open fine patchy flat, with numerous
^{of Kephac} patches of vegetation composed of small trees
 and shrubs supporting Artibeus, Myotis, etc.

some *Habenaria* sp. (14.110)
 A small composite, mostly small white flowers
 flowers from *Habenaria* sp. (14.110)

Sight record: - *Cypripedium* sp.

8816.5 Water course

8818.1 Sp. 39th

8826 Gate

8834.6 The Farm H.S.

8835.7 Sp. 40th

(8829) Red clay loam soil, rich, streaked with
 small white, tubular flowers bearing a thick
 cover of *Carex* composites. *Habenaria* sp. and
Habenaria sp. (14.110) all as low shrub
 structures to left in height. *Habenaria* sp.
 composed of a small *Cypripedium* sp. is
 dominant with back of several composites
 sp. bearing yellow. *Carex* *Habenaria* plant
 under bush canopy. *Phlox* on *Carex*
composita

See *Fun. cap* for insertions

(8835) Richer plant - with *Habenaria*
 under bush canopy. *Phlox* on *Carex*

heavy yellowish clay mass with lenticular
 pebbles, in dense stand of the two species
Agave ~~distans~~ and *Arundo donax* sparse
 dominant with old plants of *Panicum*
 decomposition. In more stony areas
Buaya sp. present as thin cover. *Phan*
in *Alph* *is* *near* *area*.

8830 Gate

8831 right turning to Center Path
 Inset from 8835.

8835.8 Gate

8837 Gate 61.4

8837.1 Gate

8838 Water course

8840 Windmill & Barn on left

8840.6 Gate 62.1

8841.4 Water course

8842.2 Water course

884.6 Sandy Water course

8845 Gate 62.1

8847 *Strophis* *varicosa* association.

moist path of wet pebbles with *Atriplex*
Pithecellobium phyllodes. Low dominated
 by *Atriplex versata* with *Rhus* sp.
 as co-dominant.

[Bots. Term. only]

8849 Creek

8854 Small water hole lined with
Hebe tetragynophylla and *Leucophaea*
longifolia. The side on full whole
 surrounding country treeless pebbly down
 support *Atriplex versata* some *Rhus*
planifolia and dry *Bassia uniflora*.
 Mosaic pattern of stones and vegetation
 with *Prosopis* sp. growing on banks of
 water hole and among *Atriplex* and
Rhus in damper situations.

8857 Galt

8860 Galt

8862 Galtway - fence line

8863 Stony downs - low undulating
 little trees except for odd *Pithecellobium*

sp. Dominant cover *Althoffia* *maritima*
 add *Kochia planifolia* and *reticulata*
 A small *Kochia* sp. and dry tussocky
 grass sp. as subordinate cover.

[Ants - Termites only]

8866 Gate

8868 Shallow water course

(8871) Shallow water course. Soil sandy
 loam bearing *Hebea ancuro* most of which
 is dead. An occasional *A. tetragynophylla*
 present also *Conoclinium longifolium*. Much
 standing water forming small whitish
 puddles exposed. Plants confined to
 wooded area around the lulls and to
 bed of water course. The former bearing
Kochia elliptica, *Bassia parviflora* and
Commersonia with some *Eragrostis dielsii*. The
 latter mostly of 6 stems and another small
Eragrostis sp. mostly dead. Ants &

[Ants and Termites only]

taken on *Bassia parviflora*.

8872.6 Loc. 1 Loc. 1

8873 Loc. 2

8874 Water course

8881 Water course

8884 Camp site 5 pm. Fly trap set.
7:00 - 7:15 pm.

19.7.56

8884 Departed. Trapping negative results
the area of pebbly down leading on to
Hudsonian flat bordering a creek area.
Typical mosaic pattern of shrub, red, and
vegetation. Areas of veg. dominated with *Kochia*
plumifolia, some *K. arborescens* and *Atriplex*
canescens with *Alnus* sp. appearing
sporadically throughout. Shrub areas
often with light cover of *Baccharis* *confertifolia*
and some *B. parviflora*. Trees appearing with
Populus dominant or the *A. trichocarpa* *pyramidalis*
and *Eximifolia* *stellata*.

[Auto + Tamarix Only]

8884.9 Creek

1887 Link

1890 Rd. just. with road S. to Tuguegarao.

1895 Open stony plain. Low lying very arid.
Eriosema sp (det. L.) and *Habenaria* sp.

Stony meadow pattern with stones rounded and small. 1" diam. or less in surface and with touching. Vegetation in patches formation throughout growing on crevices and stony areas of stone. Dominant are *Albizia* *maxima*, *Ruellia* *aphylla*, *R. tomentosa*, with *Baccharis* *laevigata* and *ocrea*, *parviflora*. In crevices *Matricaria* *prostrata*, *Thymus* *serpyllifolius* and *Eriosema* *sp* present. *Monarda* *sp* on *Matricaria*.

1896 Creek - Locally ft. low. Low off the shore. Pebbly approaches with *Baccharis* *laevigata*, *parviflora*, *ocrea*, *parviflora* and *Thymus*, *Sida* *Ruellia* *aphylla* and *tomentosa*, *Eriosema* *sp* in patches together with *Albizia* *maxima*. *Monarda* *sp* I thought to be feeding on *Albizia* *maxima*.
 Sight mostly - *Quercus* *sp* - *Albizia* *maxima*
 (C. 111 & 112)

Collected July 1913

Deposited 1920

(5920.6) Open stony area, small stones mixed with white pebbles forming a smooth surface. *Atriplex verrucosa* and *Hesperis* spp. vegetation sparse and scattered.

(5921) Stony area similar to 5920.6 except that large gullies are present containing *Ranunculus* sp. (dead), *Moraba* spp. (dead), *Chamaecrista* sp., *Atriplex verrucosa* and dead annuals. Also with odd *Poa* stems. *Moraba tetragynophylla* present in gullies. Dead *Baccharis* in flower scattered over stone covered ground. Pebbles of smooth appearance - red-white and brownish. *Ranunculus* skeleton under bark in gullies and *Strobilium* closely associated with (CH. 115, 116, 117, 118)

H. verrucosa

(SEE INSERTION OVERLEAF)

(5932) Stony gullies country with *Chamaecrista* as occasional and *A. tetragynophylla* in clumps some of the larger gullies. Gullies vegetation

consisting of *Chenopodium* sp., *Rhus*, *Alytia*,
Althaea, *Passiflora*, *Passiflora*, *Passiflora*,
Passiflora, *Passiflora*, together with many small
shrubs. Strongly scented with sweet *Boragin*
mainly *Passiflora* together with a few *Passiflora*
Rhus sp. (CH 114, 115)

8929 Gosh, 8929 Gosh, 8931 Gosh, 8932 Gosh

Transit from ... page ...

8734-4-4

Tenets. Dec 5437 - night

8927 Cook.

229

5941 Cook

Syno Wadsworth - Tenth on right. Hare
along with patches of *Meria tetragynophylla*
and *Chenopodium dentatum*. Old Eng. *Chenopodium*
common. Low - possibly *Malva* Cuck. Berries
of *Chenopodium* with white *Hesperis* variegata.
Barnard and small *Hesperis* present in
very small. *Horiba* & *Patens* on stone,
all from different areas.

8943 Grid 64th

8945 Water course

8946 Grid 65th

8948 Water course

8948.2 Gate

8949 Creek

8953 Creek

8955 Creek

8957 Creek - Campsite 5:30 p.m. 7:30-9:00 p.m.
Jelly trap set

19. 7. 56

Day from with some 65 miles.

Regular results in fly trap.

8957 Back view with surrounding country
along with undulating. Stones yellow or grey
and with red-brown patches. Undulating country
bordered except for white
cliffs. Barren and sparse shrub. A large fly
back and land with *Heura tetragynus*, *Hypha*
Heura on upper banks and low on
main channel (blotched). [Tomato collected
18. 7. 56. - Ants only.]

(8959) Strongly domed, - somewhat out of the usual
 shape, but ^{the} practically horizontal except
 for some steeper tetragonalphylla in small
 depressions. Growth very slow, with
 stipes arising dominantly through bristles
 mostly spaced at lifted four leafed ones
 to 2" high (about) scattered and whole ones
 some *Baccharis apiculata* also present
 but widely spaced.

8960 Wide creek X

8960.9 February

(8965) Top of small, very domed, to
 very black foliage. Thence effect of bare stone
 areas with some of low open vegetation,
 consisting of quaked stipes *varicosa* and
Hesperis sp. Small dead *Briza* sp. in
 tufts forming the remainder of cover. Scattered
 clumps of *trigonophylla* scattered together
 with stunted *A. crevata*. *Panicum*
shaban present.

8967 Creek

8973 Tank small on left

8973.5 Creek

8974 Creek

8975 Strongest dry bank. Many
some bank with stone yellow up and down
dry small stems Alnus incana leaves and
Betula incana. Small crab apple fruit
then supporting Alnus sp. Creek bank
with Heacca tetragynophylla and occasional
Acacia arcuata [Ants - Termites only]

8976 Yellow slope to small hills forming
Heacca baccharis incana and H. tetragynophylla
vegetation on small hills to shallow
depression forming Alnus incana, willow,
and some spongy, together with Alnus
and Betula. Some Betula incana
but mostly dry dead.

[Ants - Termites only] R.3 P.125.

8977 Creek

8978 Creek

8979 Creek

8984 Crk8986 Water

8986 Crk Open, stilly downy with scattered
Composita duttonii. Ground cover 1-2 ft. with
Baccharis sp. with white *Thalictrum* and
Hieracium sp.

8987 Crk8988 Crk8989 Crk

8990 Crk In area of *Neoma* sp. with
 small stilly clearing. *H. brachystachya*
 and occasional *H. longistachya* 1-2 ft.
 Dense *Composita* around tree trunks with a
 fleshy leafed *Baccharis* sp. (prostrate). Open
 stilly areas covered with dense tufts of
Hieracium sp.

8993 Crk Sandy flat bearing *Neoma*. A
 hummock and *Composita* sp. as low shrubs
 to 2 ft. Ground cover scattered but
 consisting of *Composita* sed. folia, *Dracopis*
brachystachya as dominant with numerous

dead composites. *Quercus* & *Myrica*
practically dead.

899.5 Stockyards on left

(9003) Flat stony area having both yellow
and fine red-black gravel. Trees consist of
dying *Hamamelis* and scattered *Fraxinus*
betula. Ground cover consists of dead
Quercus and *Myrica*, *Arctostaphylos*, and
Salsola kali and green *Cassia* sp. prostrate
and prostrate.

9007 Crack

9007.3 Crack

(9008) Stony slope of low hill with white
sandstone nos. 72, *Kyanite* and
red yellow supporting *H. americana* and
dead *Cassia* *barnebyana*. *Arctostaphylos*
H. americana.

9012 Grass

9017 Gate

9019 Mr. Willoughby H. S.

9020 Crack

9023 returned for last visit.

9026 = 9023

(9023) Open stony area with scattered
boulders imbedded in soil. Little vegetation
except for small *Bassia*. Occasional
bush of *Leucophaea duttonii*.

9044 Creek

(9051) Open stony country - gullies with
red *Arenaria* in water washes leading
from river. Crab holes present leaving *Arctidea*
in soil. *Altriplex* common and spongy.
Arctidea common gravel throughout
Altriplex s.s. on *Altriplex*. (1109-120)

9052 Creek

9052-2 Creek

9053 Creek. Campsite 5:15pm, 7:30-8:15pm

Psyllids from *E. canadensis*. Fly trap set

Hem. d. angustif.

20.7.56 *Chor. sunny-calm*. Fly trap

negative. 9053 departed: 8:30am.

Collection from adjacent stony hills with
numerous gullies. The soil above of
volcanic shales and conglomerates.

Barua uncinata and *Conoclinium* *stultum* on
slopes with *Barua villosa* along creeks
in the gulches. Relatively free of ground cover
[Habit - *Ternstroemia* only]

9061.7 Creek

9061.8 Wintona H.S. 9062 Ph.D.S. H.S.

9072 Creek Open gulch plain with small water
course supporting odd *Barua* and *H. lutea*
goniophylla. Gulches with dead *Barua* sp.
Barua densa and *Conoclinium*, *Arctostaphylos*
and shrubby *Alaphex* *virginica*

9077 Bee and Creek

9079 Creek

9079.5 Creek

Hawth's Nest Well 9080 + ^{H.S.} *Thunbergia* *officinalis*

9080.5 Creek 9090. 1983

9091 Creek

9092 Creek

9092.3 Creek

9093 Water course

9095 Stony flat between low hills

with small narrow water course. Old Museum
 present with dead remains of *Cassia* a-tome
 but living along bank of water course. Stones
 range from fine gravel on flat increasing
 to yellow up the hill slope. *Atriplex*
canescens dominant with *Hesperis* *plumifolia*
 scattered throughout and mainly on small
 cobblestones together with *Bassia* sp and
 some *Natrelles*. [Mts. - *Termites* only].

9102 Stony slope leading to the
^{Ap. 10/11/11} ~~Ap. 10/11/11~~ ^{Ap. 10/11/11} ~~Ap. 10/11/11~~ ^{Ap. 10/11/11} ~~Ap. 10/11/11~~
 constitute small creek with *Alnus* *incana*
A. canescens with *Cassia* *canescens*
 on small shrub. Other are predominantly
Atriplex *canescens*. On stony slope typical
 patchwork of bare stone yellow with some
 cobble. *A. canescens* dominant with
 dead *Bassia* *incana* forming bush on
 ground surface.

9109 Creek

9111 Creek

9117 Creek

9112 Creek

9113 Creek

9114.5 Bone, Windmill - Creek

9117 Creek

9118 Camp site. Light showers in pm. 5:15p.

Fly trap set up. Negative

21.7.56 fine cool W. wind

9118 Departed 8am.

9119 Creek; 9123 Creek 9122.8 Creek, 9124 Creek

9124.5 Creek, 9125.3 Creek, 9126 Stockyards on

right, 9126.6 Creek; 9127.2 Creek, 9127.8

Creek; 9128.2 Creek

9130 Low along rise on yellow floor

leading to creek system. Older H. common

with ^{Typha} *H. americana* dominant. Some *H. fraseri*

and older *H. spargosa*. Tufts of *Arctostaphylos*

common and much debris of dead *Erigeron*

uniflorus [Hb. - *Trisetum* only]

9130.2 Stockyards on left

9130.6 - 9131.6 Creek system. *Hebe*

concolor lined with *Kochia* - grassy

with 3 H soils. could form concentration
area in wet break out.

9112.2 Creek; 9135 Creek; 9136 Creek;

9138.6 Creek leading on flat flood
plain. Gullies leading on the flat flood
plain. *Hesperis matronalis* covered with
Atropa biogastroides, *Atropa verna*
and *Hesperis* (bushy round to ch. sum
in form). Some annual *Atropa* *fasciculata*
and much dead composite and *Barbarea*
uniflora. [A. to. *Tamulus* only]

9140 Creek

9142 Stachys Woodruff

9143.2 Creek

9144 Creek of stony red hills, deeply
gullied, covering *Hesperis matronalis* in bottom
with *Camphorospha* *distans* and *Hesperis*
matronalis on sides. *Atropa verna*
biogastroides *distans* and *Hesperis matronalis*
forming main cover. A very rocky
Some *Atropa* growing on top of hill

with surface of mostly dead vegetation
and *Trifolium* etc. H. 8.9.10. R3.

9146 Creek.

9152 Creek

9153 Creek

9154 Creek

9154 Creek

9143 Oadnadatta

9144 left Oadnadatta

9147 Creek

9149 Creek

9174 Creek - Gate

9174.5 Low stony hills rising out of
creek bed, with small gullies leading to
creek. Numerous conifers on gully floors -
margin of creek with two conifers forming
main creek channel. Hillsides with
scattered *Alnus incana* and some
some *Empetrum nigrum* bushes and much
debris of *Robinia pseudoacacia*.

9175 Allendale H.S.

9176 bank

9177 Guts

9179 - 9189 last digging pit

9189 young stony ground plant
bearing *Atriplex* species and dead
Bureau sp. *Rumex* skeleton on the
ground plus skeleton of *Parkia* sp?
under *Atriplex*.

9194 Overland railway bridge

9197 Red stony plateau with large
mushrooms bearing *Atriplex* elongated ones
and dead *Trigonotis* *Trigonotis*. Young
plants of *Atriplex* *amblyocarpa* and *A*
obovata. [Note: *Trigonotis* only]
Trigonotis (1/2) *Trigonotis* (1/2)

9200 bank

22.7.56

9200 1/2 pit 8.30 am.

9201.6 bank, 9202.3 bank, 9203 bank

9204 1/2 Duff Road Sdy.

9205 bank; 9206 under bank Sdy. 9208 bank

9211 Creek; 9211.7 Road King

9212.5 - 9213 The Niles King

9213.5 Creek (The Niles) Creek with low
 grade bed. *Amelanchier* *arbutifolia*
 and *Scrophularia* *auriculata* with *Juniperus* sp.
 also some sp. of 2 ft long (small phyllodes)
 in small *Brachyotum* and dead grass
 sp. Creek bed sandy & rocky.

[Plants - Terrestrial only]

9214 *Amelanchier* Abundant near

9214.5 Road King

9220 Creek; 9221 Creeks

9222 Abundant near

9223 *Amelanchier* Creek Path R.

9223.5 Sandhill with strong flats.

The sandhill bearing *Stemodia* *leptophylla*
 and *Cirsium* *altissimum*, with *Amelanchier* *arbutifolia*
 in patches. Dead remains of *Amelanchier*
arbutifolia on flats.

[Plants - Terrestrial only]

9226 Red sandhill mostly bearing

Monoclonophylla and other *Monoclonophylla* sp.
are completely lost except for a small
fragment following each surface.

[Shells: *Tomites* only]

9235 Alum. off to Villavieja

9230.2 Stony ^{non} ~~stone~~ between creek and
road hill. Numerous portions of stone with
sandy loam bearing *Evagata* sp. and *Buccina*
uniflora and composite with red *Hyman* sp.

9230 Creek; 9236 Creek

9236.7 Flat red-brown pebbly area
devoid of fossils except for a rather *Monoclonophylla*
button. [Shells: *Tomites* only]

9237 Waning Siding (mine)

9237.6 Creek, 9241 Creek

9241 V-shaped area formed by the
junction of two creeks bearing *Monoclonophylla*
and *Buccina*. Area a sandy loam, stony,
with much dead letter of *Buccina* and
Monoclonophylla. Numerous small green
shaly bits of *Monoclonophylla* sp. together

with old *Brachycomia* sp. *Abutilon* -
the green *Eucalyptus*. Old, very rare *Atropa*
verrucosa bush. (121, 122, 123, 124, 125)

9247 Edwards Creek Sedge

9248 Creek - Rushway & under bridge

9250 Stony - red-brown in colour with
old bushes of *Atropa verucosa*,
Abutilon and *Abutilon* the latter starting
from the base. *Moss* & *vegetation*
batter with numerous generations
of *miscellaneous* sp present and many
leading *Atropa spongosa* plants.

[Note: *Termites* only]

9252 Stony flat - predominantly white
with brown patches leading up to a small
sandhill bearing *Acacia lineophylla* and
Eumaphia deserti *Atropa verucosa*
and *Kochia planifolia* forming the
main cover on the flat with *Abutilon*
avenaria and other small *miscellaneous*

sp - The sand ridge.

[Note: *Termites* only]

9267 Diff. Creek Sdg - Turn off to Halfway St.
4 miles E.

9268 Creek - 9269 Creek

9267 Railway Box

9267. Small rocky hill leaning American
with dense debris of *Baccharis* uniform.

[Ants - *Formica* only]

9269 Bearthorn Rock Sdg (-uns)

9271 Creek - 9272 Creek

9275 Comp. set 1 scout to light 5:15 pm
Fly trap set. 7:15 - 8:30 pm.

23.7.56 1 fly trap set with at light 5:15 pm

9275 departed 8:30 pm

9276 Gateway

9277 Station flat leading up to a hill
hill on the left bank of a large creek.

Sandhill bearing *Baccharis* *linophylla* -
Hakea sp. with *Hakea* *planifolia* and other
Atriplex *shapottensis*. Sandhill also bearing
debris of forest natural vegetation. Creek

land with low, scattered and irregular

Woods, increased in strength to 85 ft.

~~[Ants - Termites]~~

9275 Creek, 9281 Creek; 9283 Creek;

9282 Windmill - Bar 9289 Gateway

9290 Anna Creek Sdg.

9290 Creek

9290.0 Creek flood plain leading up onto stony sandy rise. Tall tussocky grass - flood plain with *Kochia setifolia*, *K. plumifolia* and *Atriplex canescens* on rise. Inter shrub space occupied by *Eragrostis megacarpa*, *Phragmites communis*, *Phragmites communis* and numerous small *Conyza* - *Barbarea*. Most of wet on the rise. Creek leaving *Eragrostis communis* and *Eragrostis communis*. Rise, old *Hebe* and *Hebe* *Victoria*, *Conyza* *longifolia* and *Hebe* *Victoria*.
[Ants - Termites only]

9293 Creek

9296 H. Sun right across creek

9333 Stonyway Spring Sdg. (near)

(9341) Upper stony floor with gyps. *Gyps*
leaving *Kochia planifolia*, *Pitopsis* ~~uniflora~~
Phacelia sparsa and dead *Kochia* sp.
A few small composite present together with
much dead annual litter. Stones bearing
sparse dead annual stems of composites and
Pitopsis.

9346 Bearford Sdg

9347 Ph 3 R.

9349 Creek; 9350 Rail Sdg.

93460 Convent Springs

(9363) Stony floor with small sandy
areas mixed with in massive dense formation
leaving *Kochia planifolia*, *Bassia* uniflora
and miscellaneous flowering composites.
Humble weevil associated with *Bassia*
uniflora. Numerous miscellaneous 1st, 2nd
order beetles. (11127, 128, 129, 130)
Chrysoidea ~~various~~ dominant.

9365 Rail Sdg. near

9377 Wide creek crossing - camp site 6:15p
 Afternoon overcast & clearing late in day.
~~High~~ 7pm - 8pm.

24.7.36

9377 departed 9:30am Star 1 Creek

9379 Lake

9380 Burdekinia - Rail King

(9381) Treeless plain area of sandy loam
 with scattered large gillies. Gillies occur
 mainly here with *Utricularia* *spongiosa*, *Ruellia*
lanceolata and *Bassia* sp. Stone-free areas
 bearing dense moss vegetation dominated
 by *Bassia* sp (2 large 1 short ones - small fleshy
 leaf) with *Utricularia* *spongiosa*, *Ruellia*
lanceolata, numerous small composite spg.
Matrella *pellucida*. *Matrella* not
 appearing to be associated with any one
 sp of the vegetation zone. (in 135, 136, 137, 138)

9382 Creek

9385 White sand dunes on edge of lake
 type Smith-bearing *Chrysomela* sp (white leaf).

with red streaked *Alphitosemum*, a small
composita sp., *Alphitosemum* and *calceolatus*
 sp. in flower.

[Arist. Ternatis only]

9388 River Sdg. Wind was blowing at 4:15

9389 Bank

9390 Lake Edge Sdg. Bank

9391 Creek; 9393 Bank

(9395) Open ^{low} ~~low~~ ^{low} ~~low~~ floor, sandy loam
 with patches of small patches or masses
 of them. Vegetation some of slightly raised
 areas being *Bassia* in flower, *Alphitosemum*
spongosa, *Scorpaenia* (Flowering)
Composita *nigrescens*, *Aristida* *maritima*
 and *maritima* small composite sp. (C.M. 213)

9397 Bank 9398 Bank 9399 Bank

9401 Bohach Sdg.

9401.5 Bank; 9402 Bank

9403 Stony shelf area (Labs) leading into
 two white sand hills. Shelf area bare
 except for *composita* sp. and small red tree

— other type (obscure grass) Small hill bearing
Neesia and *Eriophorum* sp. Vegetation
 sparse composed of *Brauneria* (mossy
 fern) *Albizia* sp. *Sida* sp. and *Goodenia* sp.
 Some *Aristida* *arenaria* and *Eragrostis* *diversa*
 with dense *Salsola* *hale* forming the ground
 of the coast.

[Note: Terrestrial only]

9406 Creek

9406 on edge of creek bearing *Myoporum* sp.
Samolus *Albizia* *arenaria* *Sida* *Goodenia*
 and bearing *Brauneria* *Brauneria* sp.
 and some *Atriplex* *vesicaria* and
 some *Boerhaavia* sp. with dense
Panicum sp. (19131)

9409 Creek

9410 Run

9411 Rail King *Alluvial Creek Sdg*

9411.6 Creek

9412 Rail King

9412.3, 5, 6: Creek

9417 Run

9419 Creek - Gate

9420 Storey dense *Stemodia* *Altripes*
venosa, *Banksia* sp (lushly with red fruits and
 last 1/2). *Banksia* sp (low, *Banksia* sp (as) various
 small fleshy leaved - 2 species) some *Rachis*
spongiosa and odd composites. (Wood now
 B.S. 1). (CH. 1311)

9422 Wangianna Sdg

9423 Creek

9426 Gate

9427 Creek

9430 Brown. White stone with a *Trachy*
planifolia pattern of vegetation - stone
 Storey areas carrying sparse cover of *Altripes*
spongiosa, *Rachis* *Trachy planifolia* Vegetation
 area dominated by *Conocarpus* *negundo*
 and *Banksia* sp (small leaf) and *Pinus* *lutea*
 odd bushes of *Rachis* *planifolia*.

9434 Gate

9436 Callara Sdg (ruins) - creek

9437 Gate

9446 gate

9445 Murre

9446 gate

(9446) Trees stony downs with stone
vegetation *maquis*. *Banksia* and *Atropis*
are *maquis* dominant with *Corchorus* *maquis*
and *Engelmia* *maquis* dominant in more heavy
maquis. All species *maquis* generally mixed
throughout.

9452 gate

9453 3. *Handbush* Sedge

9461 creek

9460 Mossy Willa Sedge

9467 gate

(9467) Creek - camp site 3:30 pm - 7 pm - 7 pm
edge of *Atropis* *maquis* on
edge of creek. Odd *Euc. coolibah* and
Casuarina on creek bank. Whole area
at ground level densely clothed with
an unusual (similar to *Drosera*)

25.7.56

2429 departed 8:30am from west end country

[illegible]

9475 Open wooded stony place, probably
by stream with various patches of vegetation.
mostly of *Rudera* family. Brins up
(small fleshy leafy vegetation) with some
leaves of *...* on some stone for some with.

Althoffia of *Althoffia* (Thunberg) nearly
 along river. *Althoffia* *Althoffia*
 bushy plant but very scattered. *Althoffia*
 seen associated with *Kochia brachyptera*.

(CH 143, 144)

#77.5 Green

#77.9 Rail Xing

#77.9.2 Brown Xing

#84 Rail Xing

(4431) Water course bearing tall thick stems
 of *Althoffia* ~~Althoffia~~ with *Althoffia*
vesicaria on the grading banks. Higher ground
 bearing *Althoffia* *Althoffia* with
Althoffia *Althoffia* on the
 roadside of a mixed heritage and
 forest consisting of *Althoffia* *Althoffia*, *Althoffia* sp.
Althoffia sp. and *Althoffia* *Althoffia* *Althoffia*
Althoffia and several small *Kochia* sp.

(9273) Sand hill area bearing scattered
Althoffia *Althoffia* and *Althoffia* *Althoffia*
Althoffia. *Althoffia* *Althoffia* of scattered
Althoffia *Althoffia* *Althoffia* *Althoffia*.

Alseodaphne sp., *Chamaecrista* sp.
(in the bush) with a mixed grass and herbaceous
ground cover comprising *Euphorbia* (bitter),
Abrus *caninus*, *H. foeniculacea*, with
Conocarpus *augustifolius* and several composite
sp. including *Helianthus* sp. and *Brickellia*
sp. with *Blechnum* sp.

9496 Brook - Rail King

9497 Lyndhurst

9497.0 Top of a rocky rise with yellow
soil. *Alseodaphne* sp. in the grass. *Euphorbia* sp.
growing in the bottom with old
Dioscorea sp. *Ruellia* *radicalis* - forming
a short cover, bushes well spaced.

Barren on flow with *Conocarpus* *augustifolius*
ground cover. *Gynophytum* *gemmae*.
(Wind blowing at S.E. collecting difficult).

9510 Rail King

9511 Leigh Creek around

9514 Leigh Creek defunct

9517 Rail King

9518 Brook - Lynd

9519 Township.

9522 Gnd; 9523 Creek 9524 Creek.

(9524.6) Stony hill bearing *Passerina* with tall *Sida* sp growing on most of it. *Kochia* fraxin, *Bassia* uniflora, *Bassia* fraxinifera, *Eriosepogon* myrsinifolius, *Sida* acrocarpa. *Eriosepogon* all contributing to the cover and generally mixed. (11159, 140)

9525 Creek 9525.5 Gnd 9529 Creek

9529.5 Rail Xing 9530 Gnd

9532 Tank - windmill

(9532.2) Tall stony hill bearing *Caesalpinia* *stricta*, very sparse. Hill vegetated with scattered *Albizia* *verrucosa*, *Kochia* *radicalis* both species abundant with *Bassia* *uniflora*, *Kochia* *laevigata*, *Eriosepogon* and *Eriosepogon* all mixed and lightly forming ground cover. (11141, 142, 145, 146)

9532.5 Gnd 9538 Creek 9530.2 Creek 9530.5

9534 Rail Xing - Bell Tower

9540 Rail Xing

9542 Small sandy hill bearing *Kochia*
arborescens with *M. flexuosa* in subordinate
 places. *Kochia* branches dominant ground
 cover with young *Trisetum* scattered throughout.

[Ants - *Termitis* only]

9545 back; 9546 back; 9548 grass

9550 back; 9551 back - turn off on right
 to Nilgenna

9553 Camp site - back. Fly trap negative.

5:30 pm - 7:15 pm - 10 pm Sunbat at light

26.7.56

9553 departed 8:30 - day misty fine and

9554 back; 9555 back; 9557 back;

9558 back - Rail 8 - 9

9559 Open sandy plain with occa.

Horrea unguis - *Tetragonophylla*. *Slipa*
arborescens, *Sida* sp., *Melilotus*, *Bassia* sp.

Kochia with *Trisetum*, *Eragrostis*
repens and numerous composites.

[Ants - *Termitis* only]

9563 Panchetna - turn to Blomman - Banking
 9568 bank; 9569 ford 9569 bank;
 Thence although the area but raised.

(9571) Deep red finely shaly hill bearing
 Hakea, open gullies. Area covered with
 Zygophyllum sp with occasional Stipa
 plant and Eriophora sp. Many young red
 coloured germinations of Eriophora sp. Hypoxis
 associated with Zygophyllum sp. (101107)

(9575) Steep rocky hill bearing scattered
 Hakea sp, Hesperis sp, with some Calceolaria glauca
 Lower slopes with Zygophyllum sp with upper
 crest similarly clothed. Middle section
 with Stipa and Danthonia sp with odd
 clumps of Tindora vestiana. (

9578 brook

9583-8 Blomman

9595 M. S. L.

(9596) Steep shaly hill bearing scattered
 Calceolaria glauca at base and odd Hakea sp.
 Dominant cover being wall of a Zygophyllum

Crab with *Dendroica* sp. on subventral surface

9597 Crab. 9598 Crab.

9604 H.S.

9608 A number of low undulating
shale hills bearing *Tindaria* and others are
only species.

9613 *Ph. 9 R4*. 9619 *Ph. 10 R4*

9628 H.S.

9631 *Alouatta* H.S.

9635 Bare sloping hill carrying
Dianthus sp. - *Stipa* - etc. with some
small *Nephrolepis* *festulosa*

[Ants - *Formica* only]

9652 *Hemiteles* small

9653 *Hemiteles* *imperfect*

9663 *Wilson* & *Karl Xing*

9665 *Camponotus* *sericeus* *light*
on bark *Notropis* *setiger*

27.7.56

9665 *imperfect* *Bum.* *day* *and* *night* *etc.*

(9668) Stony Hill among *Lycopodium* sp.
Habenaria *sidefolia*. Only ground cover made
 up of *Demissa* sp. which was widely spread
 over the whole area.

9669 Rail King; 9671 Rail King.

9672 Creek; 9672.5 Rail King

9673 Gordon

9683 Creek; 9684 Creek.

9684.5 Willachia? (mine)

9692 Creek; 9693 Creek.

9694 Quorn

9695 Rail stony hill with *Euc. Blakelyi*
 and *Euc. dumosa* on scattered formation
 with *Trochodendron* on crest of hill
 ground cover about and made up of
Echium plantaginifolium, *Hebe*, and
medic. sp.

[Ants - Termites only]

9699 Rail King

9701 Creek

(9702) Stony Hill with same *Euc.* sp.

and covered with *Trindleya*, *Ochromola* etc.
Ruellia plant folia. Ground cover sparse with
 young annual sp. germinations. A species
 of *Helichrysum* (woody perennial?) present
 also. *Moralesia* associated with this
 and the *Trindleya*. *Euc. comalutensis*
 lived south at foot of the hill (CH. 148, 149, 150,
 151, 152, 153, 154)

9704 Walsley Flat

9705 Rail King - 9707 Brook

9707 Saltia Edge - Rail King

9710, 9711 Rail Kings

9713 Sterling - 9725 to Pt King - return

9734 Pt. N. R.

9736 Hillside, some slate, shale on
 deep grey shaly soil bearing *Rhagodia*
sp and *Lycopodium* *sp*. Interspersed grass
 covered with annual (small) matres -
 barley grass. (CH. 155, 156)

9745 Wilmington

9746 Turn off to Orono

9757 Open red self-mulching flower bed

Reichia aphylla, *Dactylis aegyptia*,
and *Stipa aristata*. Lowest ground
was consisting of *Daucus* sp and weeds
[Ants: *Formica* only]

9759 Willows

9769 Orchard

9772 Quirt; studied with stone hill
leaving *Cassia* sp and *Ranunculus* (juv)
Old clump of *Taraxacum* with *Stipa* - *aristata*
dominant. *Trisetum* was young and with
young a short ground cover.

[Ants: *Formica* only]

9777 Onions Turned Sth to *Poliborough*.

9777 Campsite 5.45pm. 7.15am

No fly trap set

9777 departed 8.20am

9801 Poliborough; 9816 Tenmore; 9821

White Yarrow; 9835 Hallatt; 9855 Buns

Turned off to *Morgun*.

9866 Stony hill leaving *Euc* dominant
in lower gully with *Zygophyllum* sp as

dominant. Much small germinations of
barley grass - medics.

[Ants & Termites only]

(9872) An area of thinned mallee *Euc. dumosa*
Conyolister sp. (n), *Pycnostictus alvatus*,
with an under strata of *Atriplex vesicaria*,
Cratilopus (?) sp. (n), *Kuyaerivoo*, *Moraba*
On the more open areas within the saltbush
sp. (n) stand a small *Bassia* species present.

Morabines from the *Bassia* areas. *Cratilopus*
sp? also from these more open areas. (CH. 159, 160,
161, 162)

9872 Grd; 9876 Grd.

(9879) *Kochea sedifolia* association, on
Cratilopus (?) sp. (n), *Moraba* sp. (n)
sandy loam bearing odd clumps of *Heterodendron*
oleifolium with some *Enchyliera* sp
under the tree canopies. Miscellaneous
annuals including medics and composites
with *Danthonia* sp. & *Stipa* ^{nutida} ~~nuda~~.

(9891) An area of *Casuarina* sp will
Kuyaerivoo sp., *Cratilopus* (?) sp. (n)
spaced with a thick shrub understrata
composed of *Atriplex vesicaria*, *Kochea*
sedifolia & *planifolia* with *Rhagodia*
spinescens and *nutans* the latter confined

mainly under tree canopies together with *Euclea* sp. *Bassia* sp and *Kochia brachyptera* forming main inter-shrub ground cover. *Medica* & composites scattered throughout but mainly confined to areas around the shrub butts.

9907 Morgan Turned S.W. to Eudunda.

9914 Eba

9914-2 Mallee stand along roadside with *Zygophyllum* sp. *Atriplex* sp. with *Danthonia* - *Stipa* scattered throughout. Some composites. Soil sandy loam with limestone gibbers.

9922 Mt. Mary.

9924 Area of mallee *Eucalyptus* with shrub understorey of *Atriplex verucaria* and *Zygophyllum* sp. Some *Kochia Georgei* and *Bassia uniflora* - *Bassia* sp. Soil loamy with a limestone substrate [Ants & Termites only]

9927 Bower, 9935 Sutherland

9944 Eudunda

Continued through Sherah dog to Roseworthy
at 9944 5.15 pm

29.7.56 Dry cold overcast high wind

9994 Roseworthy College departed. 8.30 pm

1026 Adelaide

1032 Athelstone

(10035) High steep hills bearing Yucca
and Casuarina sp. with 2 leafed wild cotton
some Banisia sp. Ground cover Themeda
and miscellaneous herbs and grasses with
occasional small shrub to 18". Morals not
definitely associated with any particular
herb sp. (CH 157-158)

Raining continued through Gumeracha,
Birdwood thence Tunghillo - Palmer -
Tepko - Murray Bridge to Sherlock. (9.30 pm)

30.7.56 To Murray Bridge for servicing

31.7.56. Left Lowan 8.00am. - Conalbyn,
Bordertown, Dimboola. Heavy rain
continued through to Benalla.
Camped 11.30pm.

1.8.56 Heavy rain - straight through
via Albury Holbrook to Canberra.